RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/527,788
Source:	PCT.
Date Processed by STIC:	03/06/2006

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 03/06/2006
PATENT APPLICATION: US/10/527,788 TIME: 15:55:24

Input Set : A:\63047451.APP

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3 <110> APPLICANT: WOLF, SABINE
        JAGER, MARTINA
         BANGSOW, THORSTEN
 5
 6
        BANGSOW, CARMEN
 7
         JORDAN, DOMINIK
 8
         PELZER, BERNHARD
         OPPOLZER, THOMAS
11 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING BBB-SPECIFIC PROTEINS AND
        FRAGMENTS THEREOF
14 <130> FILE REFERENCE: 63047(45107)
16 <140> CURRENT APPLICATION NUMBER: 10/527,788
17 <141> CURRENT FILING DATE: 2005-03-11
19 <150> PRIOR APPLICATION NUMBER: PCT/EP03/09968
20 <151> PRIOR FILING DATE: 2003-03-08
22 <150> PRIOR APPLICATION NUMBER: DE 102 42 016.5
23 <151> PRIOR FILING DATE: 2002-09-11
25 <160> NUMBER OF SEQ ID NOS: 70
27 <170> SOFTWARE: PatentIn Ver. 3.3
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35 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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40 tggtgaaaat cgccttcaat acacccgcag cggtgcaaaa agaggaggcg cagcaagacg 120
41 tggaggccct cgtaagccat acggtccgtg ctcagatcct gactggcaag gaactccaag 180
42 ttgccactaa ggaaaaagag ggcttctctg ggagatgcat gcttactctc gtaggccttt 240
43 cetteatett ggeaggaett attgttggtg gageetgeat ttacaagtae tteatgeeca 300
44 agagtaccat actaccatgg aga
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53 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
54
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TIME: 15:55:24

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63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
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76 <213> ORGANISM: Sus sp.
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80 <222> LOCATION: (119)..(910)
82 <220> FEATURE:
83 <221> NAME/KEY: modified base
84 <222> LOCATION: (1168)
85 <223> OTHER INFORMATION: a, c, g, t, unknown, or other
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90 tgcagccgag gacaacactg attcgagccg tgacctaccg gccgcgggaa ttcgattt
92 atg gtg aaa atc gcc ttc aat aca ccc gca gcg gtg caa aaa gag gag
93 Met Val Lys Ile Ala Phe Asn Thr Pro Ala Ala Val Gln Lys Glu Glu
94
                                         10
96 gcg cag caa gac gtg gag gcc ctc gta agc cat acg gtc cgt gct cag
97 Ala Gln Gln Asp Val Glu Ala Leu Val Ser His Thr Val Arq Ala Gln
100 atc ctg act ggc aag gaa ctc caa gtt gcc act aag gaa aaa gag ggc
                                                                       262
101 Ile Leu Thr Gly Lys Glu Leu Gln Val Ala Thr Lys Glu Lys Glu Gly
102
                                 40
104 ttc tct ggg aga tgc atg ctt act ctc gta ggc ctt tcc ttc atc ttg
                                                                       310
105 Phe Ser Gly Arg Cys Met Leu Thr Leu Val Gly Leu Ser Phe Ile Leu
108 gca gga ctt att gtt ggt gga gcc tgc att tac aag tac ttc atg ccc
                                                                       358
109 Ala Gly Leu Ile Val Gly Gly Ala Cys Ile Tyr Lys Tyr Phe Met Pro
                         70
                                              75
                                                                       406
112 aag agt acc atc tac cat gga gag atg tgc ttc ttt gat tct gcg gac
113 Lys Ser Thr Ile Tyr His Gly Glu Met Cys Phe Phe Asp Ser Ala Asp
                     85
                                          90
116 cct gca aat ttc ctc caa gga gga gag ccc tac ttc ctg cct gtg atg
                                                                       454
117 Pro Ala Asn Phe Leu Gln Gly Gly Glu Pro Tyr Phe Leu Pro Val Met
                100
                                    105
                                                                       502
120 gaa gaq gct gat att cgt gaa qat gac aac att gca atc att gat gtg
121 Glu Glu Ala Asp Ile Arg Glu Asp Asp Asn Ile Ala Ile Ile Asp Val
122
            115
                                120
                                                                       550
124 cct gtc ccc agt ttc tct gat agt gac cct gca gca att att cat gac
125 Pro Val Pro Ser Phe Ser Asp Ser Asp Pro Ala Ala Ile Ile His Asp
                            135
128 ttt gaa aag ggc atg act gct tac ctg gac ttg ctg ctg ggg aac tgc
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Input Set : A:\63047451.APP

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     132 tat ctg atg ccc ctc aat acc tcc att gtt atg cct cct aag tat ctc
                                                                            646
     133 Tyr Leu Met Pro Leu Asn Thr Ser Ile Val Met Pro Pro Lys Tyr Leu
                         165
                                             170
                                                                            694
     136 gtq gag etc ttt ggc aaa etg gca egt ggc aaa tac etc eet eac get
     137 Val Glu Leu Phe Gly Lys Leu Ala Arg Gly Lys Tyr Leu Pro His Ala
                     180
                                         185
     140 tat gtg gtt cat gaa gac ctg gtt gct gtg gaa gag att cat gat gtt
                                                                            742
     141 Tyr Val Val His Glu Asp Leu Val Ala Val Glu Glu Ile His Asp Val
                                     200
                 195
     144 agt aac ctt ggc atc ttt att tac caa ctt tgc aac aac cgc aag tct
                                                                            790
     145 Ser Asn Leu Gly Ile Phe Ile Tyr Gln Leu Cys Asn Asn Arg Lys Ser
                                 215
     148 ttc cgc ctt cgt aga aga gac ctc ttg ctg ggt ttc aac aaa cgt gcc
                                                                            838
     149 Phe Arg Leu Arg Arg Arg Asp Leu Leu Gly Phe Asn Lys Arg Ala
     150 225
                             230
                                                 235
     152 att gat aag tgc tgg aag att aga cac ttc ccc aat gaa ttt att gtt
                                                                            886
     153 Ile Asp Lys Cys Trp Lys Ile Arg His Phe Pro Asn Glu Phe Ile Val
                                             250
                         245
     156 gag acc aag atc tgt caa gag tga gaggcaacag aaaaagagtg tacttagtaa
     157 Glu Thr Lys Ile Cys Gln Glu
                     260
     160 taggaagtca aagatttaca atatgacttc aatattaaag tgtgtaggac attcaagata 1000
     162 tttactcatg catttcctct attgcttata cttaaaaaaa agaaagaaaa taaaaactac 1060
     164 taaccattqc aaaaaaaaaa aaaaaaaqta ctaqtcgacq cqtqqccaqa aactgaaatg 1120
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     168 tgaaggtgtt ggctaacatc ctgacaatga attccatccc ttgtgtatat gtgtgtcttt 1240
     170 aaaagtaaaa tyttcartca tatggtaaaa catgttttaa atttaaaata tttaaaattg 1300
     172 ttttcaacct ttttgtgtag cgcttgtcaa atatcttaac attgtcttgt tttgttttca 1360
     174 ttgtgtgcaa ctttcctgaa tttagaaatt aaatttttgc atttatgtta ggtgttctgt 1420
     176 aatagatatg acttatatgt gaaaaacttt cataaagaag tcattttcac taatrcagtg 1480
     178 acteteactq qtaactqtat tqtqaaatqc acaaaactqt tttaqtqctq aatqctataa 1540
     180 ggaatttagg ttgtatgaat tctacaatcc tataataaat tttaccatat tcaaaaaa
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     185 <212> TYPE: PRT
     186 <213> ORGANISM: Sus sp.
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     192 Ala Gln Gln Asp Val Glu Ala Leu Val Ser His Thr Val Arg Ala Gln
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    195 Ile Leu Thr Gly Lys Glu Leu Gln Val Ala Thr Lys Glu Lys Glu Gly
    196
                  35
                                      40
    198 Phe Ser Gly Arg Cys Met Leu Thr Leu Val Gly Leu Ser Phe Ile Leu
    201 Ala Gly Leu Ile Val Gly Gly Ala Cys Ile Tyr Lys Tyr Phe Met Pro
     202 65
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PATENT APPLICATION: US/10/527,788 TIME: 15:55:24

Input Set : A:\63047451.APP

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     207 Pro Ala Asn Phe Leu Gln Gly Gly Glu Pro Tyr Phe Leu Pro Val Met
     208
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                                         105
     210 Glu Glu Ala Asp Ile Arg Glu Asp Asp Asn Ile Ala Ile Ile Asp Val
                 115
                                     120
     213 Pro Val Pro Ser Phe Ser Asp Ser Asp Pro Ala Ala Ile Ile His Asp
                                 135
     216 Phe Glu Lys Gly Met Thr Ala Tyr Leu Asp Leu Leu Leu Gly Asn Cys
     217 145
                             150
                                                  155
     219 Tyr Leu Met Pro Leu Asn Thr Ser Ile Val Met Pro Pro Lys Tyr Leu
                                              170
     222 Val Glu Leu Phe Gly Lys Leu Ala Arg Gly Lys Tyr Leu Pro His Ala
     223
                                         185
     225 Tyr Val Val His Glu Asp Leu Val Ala Val Glu Glu Ile His Asp Val
     226
                 195
                                     200
     228 Ser Asn Leu Gly Ile Phe Ile Tyr Gln Leu Cys Asn Asn Arg Lys Ser
     229
                                 215
                                                      220
     231 Phe Arg Leu Arg Arg Arg Asp Leu Leu Gly Phe Asn Lys Arg Ala
                             230
                                                  235
     234 Ile Asp Lys Cys Trp Lys Ile Arg His Phe Pro Asn Glu Phe Ile Val
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                                             250
     237 Glu Thr Lys Ile Cys Gln Glu
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     247 <220> FEATURE:
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     253 <222> LOCATION: (712)
     254 <223> OTHER INFORMATION: a, c, g, t, unknown, or other
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     259 atttaatgat cacatgagta tagaaagctg ttttgagtgc tgaaacagac ttacctatca 180
     260 gatatatcca aaagagattc tatgttaaaa agtcagacta tgactggagt gaaccatgta 240
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     262 tgggtgggtt gtcctagtac tgtattttgg cttcttcttt aataggattg atatttcata 360
     263 tabtataatt gtgaatattt tgakacraat gtttataact ctaggcatat aaaaacagat 420
     264 tctgattccc ttcactgtgt gaatgttttc tgttgaaaaa atggaggata aatatggata 480
     265 ctaatgacac tcattcctaa ttaagttttc aatcagtttg atttggataa cttgcattta 540
     266 teegagatat tgagetaett tetgataatg cateaageat ttetaceata actettteac 600
     267 gcaactgaat gttgttaagt atagttttat cttgctttaa ttaaacttct taagcaaaaa 660
W--> 268 aaaagaaact tcataagcta atacattaga gaaaggttat gatcttgaat cnagaatggc 720
     269 ttatggcatt aaggaatgag atacttgtaa attttctttg aaacagccaa ctcctctgtt 780
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RAW SEQUENCE LISTING DATE: 03/06/2006
PATENT APPLICATION: US/10/527,788 TIME: 15:55:24

Input Set : A:\63047451.APP

Output Set: N:\CRF4\03062006\J527788.raw

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RAW SEQUENCE LISTING ERROR SUMMARY DATE PATENT APPLICATION: US/10/527,788 TIME

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Input Set : A:\63047451.APP

Output Set: N:\CRF4\03062006\J527788.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 1168 Seq#:6; N Pos. 712

Seq#:36; N Pos. 1443,1444,1445

Seq#:52; Xaa Pos. 61
Seq#:53; Xaa Pos. 61

VERIFICATION SUMMARY

DATE: 03/06/2006 PATENT APPLICATION: US/10/527,788 TIME: 15:55:25

Input Set : A:\63047451.APP

Output Set: N:\CRF4\03062006\J527788.raw

L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:1120 L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:660 L:1164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:1440 $L\!:\!1514$ M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:671 L:1634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:48